

27254

# Experimental Medical Microbiology

DTU



# Today:

- Short overview of the course
- Formation of groups (10 teams)
- Intros to some of the exercises
- Lab work ca. 11.00-14.00
- Read the manuals today!!!!

# Course contents

- 6 Exercises
  - Lab work
  - Data processing
  - Presentation of results
- 2 Formal talks

# The exercises

- 1) Molecular Diagnostics – Søren
- 2) Characterization of Isolates from Cystic Fibrosis patients - Trine
- 3) Biofilms and pili – Vinoth
- 4) Quorum Sensing and QS Inhibitors – Maria
- 5) Differentiation in Biofilms – Rasmus
- 6) Presentation of Theory and Results – YOU!  
(Remember to make a good lab journal since you will be sharing your data for the presentations!!! Upload all results to Campusnet in the Student Folder under 27254 File sharing)

# Talks

Two formal talks:

- Wednesday 4/1: **Thomas Bjarnsholt**, KU: *Autoinducers and Quorum Sensing Inhibitors*
- Friday 6/1: **Helle Krogh Johansen**, RH: *Microbial analyses in the clinical microbiology lab in hospitals*

Both days: 9.00 in the class room

## General rules:

- 1) All days start at 9:00 – **not 9:10 or 9:20**. Be there on time. You will be given important information every day. Intros are in the classroom outside of the lab.
- 2) You have to attend 100% of the time. If you are unable to attend the only acceptable excuse is for medical reasons – and even in that case you cannot be absent for more than a very short time. Otherwise your team will not have time to complete the exercises.

***Also it is **NOT** permitted to make arrangements with your team-colleague that you are absent – all absences **must be approved** by one of the teachers.***

- 3) You must attend throughout Exercise 6, also when your “job” is done. No exceptions.

## Lab rules:

- 1) No eating or drinking in the labs (incl. Microscopy rooms)
- 2) No smoking anywhere inside the building
- 3) Lab coats must be worn always when you are in the lab – and must NOT be worn in the classrooms. You have to bring your own lab coat\*. We will wash it after the course.  
\* We have some loaner coats if you need it

Hold on to your belongings – thieves are at large!

Never leave valuables unattended – we are not insured and we will not take responsibility for lost properties.

Lunch is at 12-13 but the time is only a guide line.

You can use the coffee makers and electrical kettles in the classrooms but not the automat in the lunchroom on 2nd floor. You have to arrange coffee and tea (and cake...) yourselves.



# Formation of groups:

10 teams:

4 teams of 2

6 teams of 3